

SEVENTY-SIXTH

ANNUAL REPORT

Newark Fire Department

JAMES T. OWENS, Director



N. F. D. PLANNING
AND RESEARCH

1961

NEWARK, NEW JERSEY

Fire Department

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Fire Department

March 15, 1961

Hon. Leo P. Carlin,
Mayor,
City Hall,
Newark, New Jersey

Dear Sir:

The Annual Report of the Newark Fire Department for the year ending December 31, 1961 is respectfully submitted.

The various activities and operations are detailed in the Division reports appended hereto.

On June 1, 1961, Chief Engineer Fred Waidelick retired, and Deputy Chief Frank J. Hilliard was appointed Acting Chief Engineer of the Department.

There was a decrease in property loss, but an increase in the number of lives claimed by fire. The following is a statistical comparison with the previous year:

	<u>1960</u>	<u>1961</u>	<u>Increase</u>	<u>Decrease</u>
Number of firealarms	4,662	7,970	3,308	
Fire Loss	\$4,223,894.09	\$3,622,672.70		\$601,221.39
Deaths	15	25	10	

The per capita loss for 1961, based upon an estimated population of 405,220 is \$9.18, a decrease of \$1.24 under the ratio of 1960.

Continuing our policy of obtaining the most modern equipment available, the following items were purchased:

1. A recently developed and proven hose wagon equipped with a 750 G.P.M. pump and a 500 gallon water tank; the larger size pump and greater self-contained water capacity of this hose wagon provide greater versatility and potential in operation and use.

2. Power tools, including a saw powered by a self-contained gasoline engine. These tools are invaluable in general fire-fighting and rescue operations where a remote source of electricity precludes the use of electric power tools.

3. Five - 500 G.P.M. fog nozzles of a highly improved design to be used with 2½" hose.

4. Four cellar pipes wherein a fog spray is utilized in place of the solid stream in older type pipes. These new pipes are effective in both Class I and Class II fires (grease, heavy oils, paints, etc.), whereas the older type pipe could be used only on Class I fires.

Fire Department

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5. Purchase of two 1,000 G.P.M. pumping engines; in addition, orders have been placed for two 1,000 G.P.M. pumping engines and one 85 foot aluminum aerial ladder truck. These will, of course, raise the standard of our first-line apparatus.

Fireman Robert Conklin was the recipient of the Medal of Honor donated by P. Ballantine and Sons, carrying with it a Five Hundred Dollar (\$500.00) cash award for the outstanding act of heroism by a fireman during the preceding year. The final selection was made by a Citizen's Committee. It was my privilege during the year to recognize and officially commend a number of Officers and Men of the Department for outstanding rescues and other meritorious acts.

In an increased effort to adopt a new Standard Operational Fire Fighting Procedure, the following innovations have been inaugurated:

1. The response of the Deputy Chief in charge of the Training Academy to all multiple alarms of fire. It is his duty to observe operational procedures, make sketches of equipment layout, and prepare a critical analysis of the entire fire fighting operation. His observations and sketches are then incorporated into the training program to influence and improve future fire fighting procedures.

2. A complete inventory of all equipment carried on apparatus has been made, and a program of standardization is under way to permit a positive check of tools after a fire and to enable men on detail from other companies to locate equipment on strange apparatus readily.

Two high-level surveys were made to keep abreast of new developments within the City, one at Port Newark and the other on the use of radio-active materials.

The Port Newark Survey noted the phenomenal growth in values in this area and pinpointed probable hazards. This resulted in remedial measures approved by both the Fire Department Research Department and officials of the Port of New York Authority.

The survey concerning the use of radio-active materials by industry, hospitals and doctors in Newark resulted in the development of new fire fighting techniques. The types and quantities of all radio-active materials were noted together with the exact location in the building and the predicted hazard to fire fighters. Safe fire fighting procedures for individual locations were formulated and the information disseminated to all fire companies and other personnel concerned.

Another tangible by-product of the survey was the framing of ordinances by the Fire Department Planning Board governing the use, handling, distribution, etc., of radio-active materials within the City of Newark.

An intensive program of training and education was conducted throughout the year. Daily drills were held in company quarters, at the Training Academy and at the City docks and industrial plants along the Passaic River and Newark Bay.

Fire Department

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Companies reported to the Driver Training School grounds on Doremus Avenue to participate in an intensive driving refresher course.

In addition to the surveys and courses mentioned above, a course in Fundamentals of Fire Administration was offered to personnel of the Department in cooperation with Rutgers University. The State University also cooperated with us in offering courses for personnel in Supervision and Personnel Relations.

The Public Library arranged a course in conversational Spanish for members of the Department, due to the number of Spanish-speaking people who now reside in the City.

The "In-Service Inspection Program" continued throughout the year with special emphasis on Company inspections of commercial, industrial and institutional buildings.

During Fire Prevention Week the Department engaged in an active program of inspections, demonstrations, lectures, fire drills and showing of films in various public, institutional and private establishments.

A set of working drawings was prepared by trained Fire Department personnel for the guidance of competing architects in the designing of the proposed new Central Headquarters firehouse.

A current crash program has greatly improved the efficiency and practicability of the Fire Department Civil Defense Plan. An entirely new Operational Plan has been put into effect, including a Plan for Post Attack and Recovery. A course in Civil Defense at the Training Academy has been instituted. The survey of radio-active materials has been incorporated into the Civil Defense Program.

In conjunction with the Civil Defense Program and because newly evolved fire fighting techniques require them, orders have been placed for the purchase of Geiger Counters, Dosimeters, Gamma Survey Meters, film badges, air samplers, Laboratory Scintillating Counter - Alpha-Beta-Gamma Ray, and dustproof suits.

All fire hose was tested and when found defective was removed from service and replaced with new hose.

All fires occurring during the year were satisfactorily controlled and extinguished.

The following recommendations are made in the interest of rendering more efficient fire service to the City:

RECOMMENDATIONS:

1. That a suitable training area be provided for adequate training of Department personnel. Initial steps are now under way toward the establishment of such facilities.

2. Plans should proceed for the erection of a fire station at William and Washington Streets for the re-location and centralization of Engine Companies Numbers 2 and 20, Rescue Squad No. 1 and Salvage Company No. 1.

Fire Department

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This will enlarge the potential service areas of the companies. The location of four companies in a single house will permit a total of four buildings to be disposed of by the City and returned to the ratables. This recommendation is in line with the survey directed to the development of a plan to re-locate obsolete fire stations whereby maximum fire protection could be realized.

3. A Hook and Ladder Company should be quartered with Engine Co. No. 19 at Frelinghuysen Avenue and Fenwick Street. Two large housing projects in that area have created a need for this type of apparatus to be more readily accessible to the Waverly area.

4. A relocation of Engine Co. No. 26 and Truck Co. No. 12 in the Vailsburg area is desirable.

5. The program for replacing obsolete apparatus which was started in 1955 should be continued. It is essential that the condition of our second line apparatus be in proper operating condition. The extra apparatus is used as a temporary replacement for first line apparatus and called into service during major emergencies.

The Chief Engineer, all Officers and Men of the Department are to be commended for their efficient services and attention to duty during the year.

The Civil Defense Auxiliary Firemen and the Bell and Siren Club both rendered valuable assistance to the Department, for which I express our sincere appreciation.

On behalf of the Fire Department, I extend to you our sincere appreciation for your wholehearted cooperation throughout the year. We also express our thanks to the Hon. Mariano J. Rinaldi, Business Administrator, the City Council, the Directors and Members of all Departments for their splendid cooperation during the year.

James T. Owens,
Director, Fire Department

Fire Department

ANNUAL REPORT For the year 1961

January 15, 1962

Hon. James T. Owens, Director
Fire Department
Newark, New Jersey

Sir:

In compliance with departmental regulations I herewith respectfully submit the 76th Annual Report of the Newark Fire Department for the year ending December 31, 1961.

The reports of all sub-divisions are contained herein.

The fire loss for 1961 was \$3,622,672.70, against a loss in 1960 of \$4,223,894.09.

Fire alarms in 1961 totaled 9,436; of these 1,466 were false alarms.

There were 25 deaths from fire as against 15 deaths in 1960.

Among the various activities of the Fire Department during the year 1961, I respectfully wish to call attention to the following:

In conformity with our continuous program of obtaining the most modern equipment available to meet the challenge of constantly changing situations in a growing city, the following equipment was purchased:

1. A recently developed and proven hose wagon equipped with a 750 G.P.M. pump and a 500 gallon water tank; the larger size pump and greater self-contained water capacity of this hose wagon provide greater versatility and potential in operation and use.
2. Power tools, including a saw powered by a self-contained gasoline engine. These tools are invaluable in general fire-fighting and rescue operations where a remote source of electricity precludes the use of electric power tools.
3. Five - 500 G.P.M. fog nozzles of a highly improved design to be used with 2½" hose.
4. Four cellar pipes wherein a fog spray is utilized in place of the solid stream in older type pipes. These new pipes are effective on both Class I and Class II fires (grease, heavy oils, paints, etc.), whereas the older type pipe could be used only on Class I fires.

In our training program we are now in the process of exploring fog appliances and developing their use to full potentiality.

Fire Department

Hon. James T. Owens, Director

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January 15, 1962

5. Purchase of two 1,000 G.P.M. pumping engines; in addition, orders have been placed for two 1,000 G.P.M. pumping engines and one 85 foot aluminum aerial ladder truck. These will, of course, raise the standard of our first-line apparatus.

Surveys have revealed that during the summer months, in the daytime, a majority of alarms did not warrant the full complement of equipment scheduled for response. Consequently, from March 15th to November 27th during the daylight hours, a reduced assignment responded to all alarms of fire. This resulted in 2,346 fewer runs - 1,174 runs for engine companies and 1,172 runs for ladder companies - which in no way impaired the proficiency of the companies in controlling and extinguishing fires. This experiment provided a greater number of apparatus available in the event of emergencies, move-ups, multiple alarms, etc., and conserved the strength of the Department during these periods.

In an increased effort to adopt a new Standard Operational Fire Fighting Procedure, the following innovations have been inaugurated:

1. The response of the Deputy Chief in charge of the Training Academy to all multiple alarms of fire. It is his duty to observe operational procedures, make sketches of equipment layout, and prepare a critical analysis of the entire fire fighting operation. His observations and sketches are then incorporated into the training program to influence and improve future fire fighting procedures.

2. A complete inventory of all equipment carried on apparatus has been made, and a program of standardization is under way to permit a positive check of tools after a fire and to enable men on detail from other companies to locate equipment on strange apparatus readily.

Two high-level surveys were made to keep abreast of new developments within the City. One at Port Newark and the other on the use of radio-active materials.

The Port Newark Survey noted the phenomenal growth in values in this area and pinpointed probable hazards. This resulted in remedial measures approved by both the Fire Department Research Department and officials of the Port of New York Authority.

The survey concerning the use of radio-active materials by industry, hospitals and doctors in Newark resulted in the development of new fire fighting techniques. The types and quantities of all radio-active materials were noted together with the exact location in the building and the predicted hazard to fire fighters. Safe fire fighting procedures for individual locations were formulated and the information disseminated to all fire companies and other personnel concerned.

Another tangible by-product of the survey was the framing of ordinances by the Fire Department Planning Board governing the use, handling, distributions, etc., of radio-active materials within the City of Newark.

An intensive program of training and education was conducted throughout the year. Daily drills were held in company quarters, at the Training Academy and at the City docks and industrial plants along the Passaic River and Newark Bay.

Fire Department

Hon. James T. Owens, Director

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January 15, 1962

Companies reported to the Driver Training School grounds on Doremus Avenue to participate in an intensive driving refresher course.

In addition to the surveys and courses mentioned above, a course in Fundamentals of Fire Administration was offered to personnel of the Department in cooperation with Rutgers University. The State University also cooperated with us in offering courses for personnel in Supervision and Personnel Relations.

The Public Library arranged a course in conversational Spanish for members of the Department, due to the number of Spanish-speaking people who now reside in the City.

The "In-Service" inspection program continued throughout the year with special emphasis on inspections of commercial, industrial and institutional buildings.

Fire Prevention Week was replete with fire drills, demonstrations, inspections, lectures and showing of pertinent motion picture films to various public, institutional and private establishments. Certain aspects of the program were continued throughout the year.

A set of working drawings was prepared by trained Fire Department personnel for the guidance of competing architects in the designing of the proposed new Central headquarters firehouse.

A current crash program has greatly improved the efficiency and practicability of the Fire Department Civil Defense Plan. An entirely new Operational Plan has been put into effect, including a Plan for Post Attack and Recovery. A course in Civil Defense at the Training Academy has been instituted. The survey of radioactive materials has been incorporated into the Civil Defense Program.

In conjunction with the Civil Defense Program and because newly involved fire fighting techniques require them, orders have been placed for the purchase of Geiger Counters, Dosimeters, Gamma Survey Meters, film badges, air samplers, Laboratory Scintillating Counter - Alpha-Beta-Gamma Ray, and dustproof suits.

All fires occurring during the year were satisfactorily controlled and extinguished.

All fire hose was tested and where found defective was removed from service and replaced with new hose.

RECOMMENDATIONS:

1. That title for the site of our new training ground be acquired without delay so that the sorely needed training area can be put into operation in 1962.
2. That consideration be given to the purchase of a new fireboat.
3. That a Hook and Ladder Company be placed in service in the quarters of Engine Co. No. 19 at Frelinghuysen Avenue and Fenwick Street.

F i r e D e p a r t m e n t

Hon. James T. Owens, Director

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January 15, 1962

4. That the apparatus replacement program be continued. Unless our second line apparatus, used as spares and temporary replacements for first line apparatus are in top mechanical condition, the efficiency of the Department will be measurably lowered.

5. That construction of the proposed new central Fire Headquarters firehouse be undertaken immediately.

6. That better facilities and fire protection for the Vailsburg section of the City be provided. Upon completion of our new training tower, Engine Co. 21 and 26, and Truck Co. 12 could be relocated to the present Training Academy.

I wish to express my thanks to the Officers and Members of the Fire Department for their service and devotion to duty. A special word of thanks and appreciation to the Members of the Bell and Siren Club, Doctor Arthur D. Devlin, and our Civil Defense Auxiliary Firemen for their splendid cooperation and invaluable assistance during the year.

May I express to you, the Director of the Fire Department, my sincere thanks for your cooperation and assistance during the year. I also extend my thanks to the Honorable Leo P. Carlin, Mayor, the Honorable Mariano J. Rinaldi, Business Administrator, members of the Municipal Council, and to all other City Officials who in any way assisted this Department during the year 1961.

Respectfully submitted,

FRANK J. HILLIARD,
Chief Engineer.

FJH:JMR:EC

oOo

FIRE DEPARTMENT - CITY OF NEWARK

~~Frank J. Rinaldi~~
Mariano J. Rinaldi
Business Administrator

~~Hon. Leo P. Carlin, Mayor~~

~~James T. Owens~~
Director

M. Emmett Matthews, Administrative Officer
Edna L. Foran, Administrative Secretary

~~Frank J. Hilliard~~
Frank J. Hilliard, Chief Engineer

DEPUTY CHIEFS

First Deputy Division

Fred J. Crowley.
Joseph J. Drew.
Vincent J. Kelly.
John M. Rüscheck.

Second Deputy Division

James F. Gaynor
Thomas C. Boyle
Joseph M. Redden
John Dolak

BATTALION CHIEFS

First Batt. Dist.

Nicholas Butterly
Harold Davis
~~Arthur D. Marsh~~
George W. Schaeffer

Second Batt. Dist.

John F. Casey ✓
William Hug
Thomas Leonard ✓
William R. Schick

Third Batt. Dist.

Andrew Donahue ✓
Philip Smith ✓
Joseph Zoppi ✓
Frank Rehels

Fourth Batt. Dist.

~~James L. Donlon~~
Charles J. JanTausch
James Nolan
Joseph L. Magnusson

Fifth Batt. Dist.

William Langwasser
Joseph McLaughlin
John J. Zieser
James P. O'Beirne ✓

Training Academy	Henry L. Schoettly, Deputy Chief
Civil Defense	Joseph A. Flannery, Battalion Chief
Bureau of Combustibles & Fire Risks	John F. Reilly, Jr., Chief Inspector
" " " " " "	Charles V. Stiennen, Asst. Chief Insp.
Arson Division	Vincent Brennan, Battalion Chief
Fire Alarm & Radio Division	Arthur J. Moore, Superintendent
" " " " " "	Edward Przybylowicz, Asst. Supt.
Special Service & Supply Div.	Peter B. Kelly, Battalion Chief
Hose Section	Walter L. Conover, Captain
Apparatus Section	Herman Brunner, Captain
Medical Division	John W. Pannullo, M.D., Dept. Surgeon
" " " " " "	Edwin L. Ciccone, M.D., Asst. Surgeon

Rev. Clarence Bleakney, Protestant Chaplain
Rev. Philip T. McCabe, Catholic Chaplain
Rabbi Horace Zemel, Jewish Chaplain

RECAPITULATION

Administration	13
Bur. of Combustibles	25
Arson Squad	8
Fire Alarm & Radio	45
Spec. Serv. & Sup.	28
Training Academy	7
Total	126

Director

<u>Administration</u>	
Admin. Officer	1
Admin. Secy.	1
Dept. Surgeon	1
Asst. Dept. Surgeon	1
Chaplains	2
Supv. Prin. Acct. Clerk	1
Prin. Acct. Clerk	1
Account Clerk	2
Clerk Stenographers	2
Clerk Typist	1
Total	13

<u>Bur. of Comb.</u>	
Ch. Insp.	1
Asst. Ch. Insp.	1
Captain	1
Firemen	20
Sup. Prin.	1
Acct. Clerk	1
Clerk Steno	1
Total	25

<u>Arson Sq.</u>	
Batt. Ch.	1
Captain	1
Firemen	6
Total	8

<u>Fire Alarm</u>	
Supt.	1
Asst. Supt.	1
Ch. Fire Al. Op.	5
Fire Al. Op.	18
Foreman Line	2
Linemen	14
Fire Alarm	1
Sys. Mech.	1
Fireman	1
Mech.'s Help.	2
Total	45

<u>Spec. Service</u>	
Batt. Ch.	1
Supv. App.	1
Captains	3
Firemen	23
Total	28

<u>Training Acad</u>	
Dep. Chief	1
Batt. Chief	1
Captains	2
Firemen	2
Phys. Tr.	1
Instr.	1
Total	7

T A B L E O F O R G A N I Z A T I O N

Fire Department

VITAL PERSONNEL STATISTICS

FIRE HEADQUARTERS

Director	1
Admin. Officer	1
Admin. Secy.	1
Fire Surgeon	1
Asst. Fire Surgeon	1
Chaplain	2
Supv. Prin.	
Acct. Clerk	1
Prin. Acct. Clerk	1
Account Clerk	1
Clerk Steno.	2
Clerk Typist	<u>1</u>
Total	- 13

FIRE ALARM AND RADIO DIVISION

Supt. Fire Alarm	1
Asst. Supt.	1
Chief Fire Alarm	
Operators	5
Fire Alarm Operators	18
Foreman - Lineman	2
Lineman	<u>14</u>
Fire Alarm System	
Mechanic	1
Mechanic's Helper	2
Fireman	<u>1</u>
Total	- 45

BUREAU OF COMBUSTIBLES

Captain	1
Fireman	20
Chief Inspector	1
Asst. Chief Insp.	1
Supv. Prin.	
Acct. Clerk	1 ✓
Clerk Steno.	<u>1</u>
Total	- 25

SPECIAL SERVICE AND SUPPLY

Battalion Chief	1
Captain	3
Supervisor of	
Apparatus	1
Fireman	<u>23</u>
Total	- 28

ARSON SQUAD

Battalion Chief	1
Captain	1
Firemen	<u>6</u>
Total	- 8

TRAINING ACADEMY

Deputy Chief	1
Battalion Chief	1
Captain	2
Fireman	<u>2</u>
Physical Training	
Instructor	<u>1</u>
Total	- 7

FIRE FIGHTING FORCE

Chief Engineer	1
Deputy Chief	9
Battalion Chief	20
Captain	159
Fireman	<u>726</u>
Salvageman	8
Total	- 923

Fire Department

APPOINTMENTS - 1961

<u>DATE</u>	<u>NAME</u>	<u>TITLE</u>	<u>DATE</u>	<u>NAME</u>	<u>TITLE</u>
Jan. 1	Michael D'Ambrasio	Fireman :	Apr. 3	Patricia Fiducia	Clerk-Type(P)
" 1	Joseph J. Dinardo	" :	" 23	Burton Bleakney	Fire Al.Cper.
" 1	Thomas A. Farley	" :	"	John L. Morris	" " "
" 1	Robert H. Flohl	" :	Aug. 27	Wm. R. Critchley	Fireman
" 1	William R. Harris	" :	" 27	Anthony V. Paradiso	"
" 1	Joseph A. Naguire	" :	" 27	Pasquale Stellitano	"
" 1	Donald Mitchell	" :	" 27	Wm. C. Thigpen	"
" 1	Joseph Pacioppi, Jr.	" :	Oct. 22	Raymond Durkin	Lineman (P)
" 1	Vito W. Vicino	" :	Nov. 19	Lawrence E. Kelly	Lineman (T)
" 13	Helen Hart	(T)Acct.Clerk:	Dec. 4	Jos. P. Critchley	Fireman
		(P)9/18/61 :	" 4	Aldo P. Danieli	"
Mar. 26	Nicholas A. Bruno	Fireman :	" 4	Edward P. Maran	"
" 26	John F. Cassidy	" :	" 4	Charles J. Manara	"
" 26	Robert A. Melillo	" :	" 4	Patrick J. O'Connor	"
" 26	Joseph Holmes	" :	" 4	Harry E. Taylor	"
" 26	John C. McMillan	" :	" 4	*(George R. Adkins)	"
" 26	Bernard Washington	" :	" 4	*(Jos. A. Battaglia)	"
		" :	" 4	*(Robt. J. D'Angelo)	"
		" :	" 4	*(Anthony Ravo)	"

*Appointed pending return from
Military Service.

RETIREMENTS - 1961

<u>DATE</u>	<u>NAME</u>	<u>TITLE</u>
Jan. 1	Edward F. Bowes	Fireman
Feb. 1	Patrick J. Haveron	"
Feb. 4	Myles McDonald	"
Mar. 1	William Manning	"
May 1	Philip Reilly	Deputy Chief
May 1	Charles Morbach	Fireman
May 27	Arthur A. Gauss	"
June 1	Frederick Waidelick	Chief Engineer
June 27	John J. Sullivan	Fireman
July 1	Frank E. Huber	"
Aug. 26	Gustave E. Walsack	"
Oct. 5	John J. Devine	"
Oct. 13	Edmund J. Burke	"

F i r e D e p a r t m e n t

RESIGNATIONS

<u>DATE</u>	<u>NAME</u>	<u>TITLE</u>	<u>ASSIGNMENT</u>
Apr. 7	Francis M. Lyons	Fireman	Eng.Co.19
July 24	Daniel G. Califri	"	Eng. Co. 7
Aug.28	Gene Turner (T)	Lineman	Fire Alarm
Sept.17	Robert O'Connor	Fireman	Eng.Co. 28

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX                                                    XX
XX                                                    XX
XX                      I N   M E M O R I A M          XX
XX                                                                XX
XX                                DEATHS OF ACTIVE MEMBERS DURING 1961      XX
XX                                                                XX
XX    DATE                NAME                  TITLE            ASSIGNMENT       XX
XX                                                                XX
XX Jan.20        A. Leo George           Fireman             Bur. Comb.         XX
XX Apr.11        Joseph G. Buhl              "                   Salvage 1          XX
XX Sept.8        Eugene J. Diou               Captain             Truck Co. 8        XX
XX Sept.23       Raymond Magnusson                 "                   Spec.Service       XX
XX Oct.20        Daniel J. Kelly           Fireman             Eng.Co.2l         XX
XX Dec.15        Frank W. Siebenhuhner     "                   Truck Co. 6        XX
XX                                                                XX
XX                                                                XX
XX                                                                XX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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Fire Department

FINANCIAL STATEMENT

Budget Appropriation for the year 1961

Salaries	\$6,513,298.00
Other than Personal	<u>456,307.00</u>
	\$6,969,605.00

Disbursements:

Salaries:

1 Director - - - - -	\$14,999.92
1 Chief Engineer - - - - -	11,345.00
9 Deputy Chiefs - - - - -	85,206.30
23 Battalion Chiefs - - - - -	192,552.59
166 Captains - - - - -	-1,202,111.01
766 Firemen - - - - -	-4,361,670.86
8 Salvagemen - - - - -	47,998.08
1 Chief Inspector of Combustibles - - -	8,289.98
1 Asst. Inspector of Combustibles - - -	7,199.92
1 Administrative Officer - - - - -	8,484.60
1 Administrative Secretary - - - - -	7,215.12
2 Supervising Prin. Acct. Clerks- - - -	10,084.38
1 Principal Clerk Bookkeeper - - - - -	1,921.00
1 Principal Account Clerk - - - - -	4,792.10
1 Account Clerk - - - - -	2,694.00
2 Clerk Stenographers - - - - -	7,350.10
1 Department Surgeon- - - - -	8,592.20
1 Asst. Department Surgeon- - - - -	7,020.72
2 Chaplains - - - - -	6,867.50
1 Clerk Typist- - - - -	2,507.62
1 Athletic Instructor - - - - -	6,192.20
1 Superintendent Fire Alarm & Radio - -	9,199.84
1 Asst. Supt. Fire Alarm & Radio- - - -	8,199.88
2 Chief Fire Alarm Operators - - - - -	16,852.80
18 Fire Alarm Operators - - - - -	97,872.80
2 Line Foremen - - - - -	14,100.00
13 Linemen - - - - -	67,922.82
1 Fire Alarm System Mechanic - - - - -	6,639.88
2 Mechanic's Helpers - - - - -	9,500.00
Total	\$6,235,383.22

Other than Salaries:

Repairs to Office Equipment - - - - -	938.55
Electric and Gas - - - - -	15,647.54
Construction Tel. Co.- - - - -	2,791.74
Time Service - - - - -	21.00
Demurrage Oxygen Cylinders - - - - -	140.00
Telephone Service - - - - -	14,849.33
Radio Maintenance - - - - -	31,388.49
Water Cooler Rental - - - - -	799.75
Repairs to Equipment - - - - -	356.67
Blankets Laundered - - - - -	113.25
Exterminating Service- - - - -	137.87
Printing - - - - -	2,132.28
Stationery - - - - -	2,689.21

Fire Department

Financial Statement (3)

Other than Salaries (Cont'd)

Fire Fighting Equipment Misc.	4,747.85
Office Equipment	1,964.58
Professional Services	--
Tests on Evidence	195.00
Portable Radiophones	552.00
2 - Station Wagons	6,441.00
Photographic Supplies	387.63
American Flags	154.04
Hose Wrenches	92.58
In-Service Training	450.00
Radio Oper. Console	4,929.63
Fire Alarm Registers	4,200.00
Oxygen Tank Refills	361.68
1 - 500 Gal. Pumping Eng.	16,000.00
200 Hose Hangers	420.00
35 Water Coolers	3,366.47
Running Schedule	742.75
Rotary Gear Primers	<u>2,067.00</u>

Total \$296,144.91

Miscellaneous Receipts:

Refilling Soda and Acid	
Extinguishers	796.35
Refilling Foam Extinguishers	509.15
Sale of Extinguishers Supplies	2.75
Sprinkler Heads Replaced	138.00
Sale of Old Material	390.54
Deposit Badges	60.00
Payments for Damage done to	
Fire Dept. Equipment	624.60
Hotel Certificates	2,066.70
Bureau of Combustibles Permits	53,857.35
Sale of Old Hose	166.70
Miscellaneous	<u>5,381.25</u>

Total \$63,993.39

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1961
COMPANY STATISTICS

Company	Total Alarms Answered	Total Alarms Worked at	Emergency Calls Answered	Hours of Engine Duty	No. of feet of Hose Used	No. of In-Service Inspections	No. of Hydrants Inspected & Greased	No. of Drills and Demonstrations	No. of Hours Out of Hydrants
Eng. Co. 1	840	335	2	277:16	45,450	140	207	237	508:52
" " 2	700	279	2	99:35	32,250	180	*E.D.	243	539:47
" " 4	949	309	0	124:45	29,350	142	524	253	436:15
" " 5	600	158	0	74:32	30,950	151	501	117	382:46
" " 6	1749	649	6	257:25	43,250	251	748	241	720:14
" " 7	1244	219	1	135:00	45,150	72	168	227	508:30
" " 8	395	118	4	155:35	38,250	44	*E.D.	79	382:45
" " 9	748	239	1	126:18	26,850	193	211	115	383:12
" " 10	1301	518	2	396:20	69,650	303	344	279	643:28
" " 11	777	269	4	106:15	23,400	94	156	169	475:31
" " 12	1759	528	0	249:37	54,300	134	65	154	637:51
" " 13	394	180	0	77:55	15,000	98	168	150	329:25
" " 14	719	202	4	166:00	24,450	140	420	142	413:00
" " 15	714	146	3	74:54	26,150	174	258	142	253:00
" " 16	419	210	2	315:35	35,740	108	436	144	535:00
" " 17	819	300	8	184:15	39,700	118	465	194	501:36
" " 18	990	328	0	114:54	38,250	233	402	238	428:10
" " 19	494	152	0	164:53	39,850	68	*E.D.	176	405:39
" " 20	1745	589	1	384:50	80,050	147	282	211	742:39
" " 21	127	51	0	16:30	6,000	67	*E.D. 3 times	90	130:09
" " 26	195	84	1	27:57	5,450	109	*E.D. 4 times	121	168:37
" " 27	527	213	2	396:41	54,000	55	714	117	577:32
" " 28	399	134	0	59:03	11,900	203	283	249	237:14
" " 29	643	201	5	66:56	21,100	186	795	168	325:30
" " 32	128	67	0	74:19	13,620	116	226	197	172:00
Fireboat	116	34	2	101:47	150	No Dist.	NC Dist.	172	191:17
Searchlight	52	49	0	158:14	0	0	0	38	158:14
Rescue Sq	1617	271	371	-	-	31	*E.D.	243	757:24 Res. Duty
Salvage 1	1987	372	12	-	-	-	-	139	1001:33
Salvage 2	2651	262	-	-	-	-	-	68	890:49

*E.D.-Entire District

COMPANY STATISTICS (2)

Companies	Total Alarms Answered	Total Alarms Worked at	Emergency Calls Answered	Feet of Ladders Used	Inspections	Drills and Demonstrations	Hours out of Quarters	Hydrants Inspected
Truck Co. 1	864	329	0	13,073	125	168	381:32	128
" " 2	713	203	1	8,949	140	142	376:11	523
" " 3	1039	349	1	8,475	163	265	408:56	360
" " 4	469	128	1	2,789	43	117	336:51	204
" " 5	1676	500	0	11,809	36	229	622:40	360
" " 6	366	101	0	3,251	150	375	175:86	255
" " 7	399	89	0	3,668	157	126	231:34	198
" " 8	329	92	1	2,922	126	232	305:00	231
" " 9	937	267	3	8,664	133	134	459:00	411
" " 10	555	164	3	4,654	142	233	314:16	184
" " 11	630	190	0	5,001	110	170	511:59	270
" " 12	101	50	0	1,134	237	167	127:31	*E.D.

Chiefs	Alarms Answered		Hours Spent Inspecting Districts
1st Deputy Div.	2,465	620	735:40
2nd Deputy Div.	1,532	751	487:40
1st Batt. Dist.	1,045	1,260	295:55
2nd Batt. Dist.	708	2,118	271:04
3rd Batt. Dist.	688	1,446	180:33
4th Batt. Dist.	1,758	728	688:25
5th Batt. Dist.	657	944	383:00

Fire Department

Company Statistics (3)

SALVAGE COMPANIES 1 AND 2

Salvage Covers Spread - - - - -	-1,577
Roof Covers Spread - - - - -	55
Roofs Covered by Other means - - - - -	80
Sprinkler Systems Restored to Service- - - - -	--
Sprinkler Heads Replaced - - - - -	270
Buildings Secured After Fires -- - - -	309
No. of Buildings - Water Removed - - - - -	200

SEARCHLIGHT COMPANY

Supplied Floodlighting (Hours) - - - - -	-158:14
Electric Cable Used (Feet) - - - - -	- 8,410
Lamps Used - - - - -	435

SPECIAL SERVICE AND SUPPLY

No. Alarms answered - - - - -	56
No. Times Smoke Ejector Used - - - - -	8
No. Emergency Lights Used - - - - -	16

Supplied all Companies with Tools and Equip.

SUMMARY

Total No. Alarms Received - - - - -	9,436
Total No. Company Runs - - - - -	33,932
Total No. Hours Engine Duty - - - - -	-4,261:91
Total No. Lengths of Hoses Used - - - - -	836,760
Total No. Feet of Ladders Used - - - - -	74,389
Total No. Company Hours out of Quarters	18,057:57

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Fire Department

FIRE ALARM AND RADIO DIVISION

Annual Report submitted by
Supt. Arthur J. Moore
for the year ending December 31, 1962.

<u>General Service Line Force</u>		<u>Totals</u>
1. Subterranean cable installed, programmed replacements, circuit extensions. (feet of conductor) - - - - -		149,273
2. Old cable removed (feet of conductor) - - - - -		9,225
3. Complete transfers of equipment from old to new poles - - - - -		61
4. Line wire installed (circuit extensions, replacement) feet of conductor - - - - -		46,305
5. New circuit created (feet of conductor used) - - - - -		16,200
6. Pedestals or stanchions set - - - - -		7
7. Fire Alarm Boxes installed - - - - -		32
8. Messenger wire installed (feet) - - - - -		4,650
9. Feet of conductor mechanically lashed, in lieu of messenger run - - - - -		19,000
10. Subterranean ducts rodded and cleaned (feet) - - - - -		8,356
11. New cable test or junction boxes installed - - - - -		3
12. Duct wire pulled in (feet) - - - - -		7,226
13. Cable test or junction points rewired - - - - -		40
14. Pole line faults found and referred to utility owner for correction - - - - -		47
15. Preventative maintenance patrol of aerial circuits (miles) - - - - -		1,414
16. Trees trimmed - - - - -		286
17. Test boxes and stanchions inspected and cleaned - - - - -		412
18. Cleared weeds and brush around fire box poles and stanchions to increase visibility - - - - -		29
19. Tree guards installed - - - - -		33
20. Messenger cable rings installed - - - - -		165
21. Replaced or re-set stanchions and/or fire alarm boxes damaged by motor vehicles - - - - -		11
22. Cross arms installed (circuit extensions, etc.) - - - - -		88
23. Division's motor vehicles was ed and serviced - - - - -		354
24. Janitorial duties (man-hours) - - - - -		1,380
25. Other major job operations completed - - - - -		387
26. Other minor job operations completed - - - - -		806
27. Accumulated over-time (man-hours) - - - - -		777
<u>Box Inspector</u>		
1. Fire Alarm boxes inspected, cleaned and tested - - - - -		2,412
2. Test box locks replaced with tamperproof device - - - - -		8
3. Supervised fire alarm box painting - - - - -		200
4. Other minor jobs of preventive maintenance completed - - - - -		560
5. Other major jobs of preventive maintenance completed - - - - -		147
<u>Repair Shop Maintenance Force</u>		
1. Audio Wailers inspected and tested - - - - -		90
2. Portable transceivers inspected and tested - - - - -		8
3. Auxiliary Central Office power plant test operated (hours) - - - - -		52
4. Circuit battery cells cleaned, serviced and tested - - - - -		3,312
5. Office rectifiers cleaned and tested - - - - -		162
6. Recorders and time stamps inspected and tested - - - - -		144
7. Power packs installed to replace batteries - - - - -		38
8. Other major job operations completed - - - - -		275
9. Other minor job operations completed - - - - -		803

Fire Department

Fire Alarm and Radio Division (2)

<u>Field Equipment Maintenance Man</u>	<u>TOTAL</u>
1. Multiple alarm fires responded to and worked at- - - - -	34
2. Firehouse battery cells cleaned, serviced and tested - - - - -	970
3. Firehouse rectifiers cleaned and tested - - - - -	117
4. Auxiliary radio power plant test operated (hours) - - - - -	72
5. Alarm receiving equipment in firehouses inspected, cleaned and tested	101
6. Minor job operations of corrective maintenance completed	173
7. Other routine job operations of preventive maintenance performed -	1,260

<u>Central Office Force</u>	
1. Fire Alarm transmitted - - - - -	9,436
2. Box tests supervised - - - - -	3,341
3. Misdirected telephone reports for fire in surrounding municipalities received and conveyed to proper department -	5
4. Tests from private fire alarm companies supervised - - - - -	1,460
5. Tests conducted of Airport fire alarm facilities - - - - -	365
6. Telephone calls handled over I.B.N. switchboard (Approx.) - -	450,000
7. Radio calls handled - - - - -	147,380
8. Number of circuits completely tested - - - - -	109,500
9. Alarm reports prepared and distributed - - - - -	1,460
10. Individuals and agencies dispatched to multiple alarm incidents by telephone - - - - -	638
11. Other minor job operations completed - - - - -	3,000

Miscellaneous

- | | |
|---|-----|
| 1. Assumed direct command of Central Office during fire emergencies (Hours) - - - - - | 88 |
| 2. Inspection of field facilities made. (Locations) - - - - - | 410 |
| 3. Inspection of systems in private property made - - - - - | 270 |
| 4. Private contractors assisted in planning fire alarm systems - - | 18 |
| 5. Schools and institutions surveyed for fire alarm box installations | 10 |
| 6. City sites inspected for proposed installations of street boxes - | 25 |
| 7. Accumulated overtime (hours) - - - - - | 144 |
| 8. Continual review and study is essential in keeping abreast of the times to furnish the best possible criteria for system operation, maintenance and expansion. Numerous factors had to be considered and weighed in 1961, as a result, additional circuit, etc., arrangements were implemented that could be and were used with safety, flexibility, standardization and economy. This required a good deal of field, map and paper work. | |
| 9. It is extremely important that an agency responsible for movement and control of emergency traffic, approach specific problems equipped with adequate data and best applicable techniques. Accordingly, this Division was represented at six four-hour meetings of the International Municipal Signal Association in this State, and their four-day conference in Cincinnati, Ohio; five two-hour sessions with National Board of Fire Underwriters Engineers, and one two-hour meeting with Federal Communication Commission representatives - all with a view to resolving dispatching problems and discussing universally accepted procedures governing movement of fire equipment. | |

Fire Department

Fire Alarm and Radio Division (3)

The Fire Department, under Director James T. Owens, has set for itself a goal of obtaining a high degree of municipal protection. One case in point is in the fire alarm field where the city-owned system is being constantly expanded, private industries and institutions are encouraged to install fire alarm boxes in their properties and connect to our facilities, and a high degree of cooperation is given three private companies who extend central station protection to 576 properties. As a result, Newark is now the ninth ranking city in fire alarm coverage.

This assures greater safety against conflagration, better job security for people employed in the city, lower rates of insurance, and extended protection to the public.

We are certain that when full fire alarm coverage has been achieved to complement our fire fighting force, together we will have created the greatest deterrence to fire and the devastation it causes.

PROCEDURES. The year 1961 was the busiest ever experienced by this Department. The Fire Alarm and Radio Division processed an average of 26 alarms per day totaling 9,436 alarms, an increase of 1,003 over 1960, and 2,134 over 1959. Our peak fire traffic periods occurred between the hours of 3:00 p.m. and 10:00 p.m., which is standard in metropolitan areas.

Since this Division has no control over the erratic cycles when fire traffic at times reaches almost to the saturation point, it recognizes the need for new dispatching procedures that would adequately serve a purpose with no sacrifice of service.

New advances were incorporated into the system which not only made it more versatile and adaptable to future expansion, but permitted emergency traffic to be handled with dispatch.

Among these, the more prominent refinements were as follows: In-Service-en route procedure; the Standardization of relocations; and the required report of a unit's arrival.

A continuing series of surveys revealed that even with the high rate of increase in alarms, the radio and signal system congestion was reduced by no less than 25% of what it had been in the past.

REPORTING ARRIVAL. A unit's announcement that they have reached the assigned location enables the Dispatcher to act accordingly when a multiplicity of vicinity boxes and/or conflicting telephone reports for an emergency are received consecutively or concurrently.

UNIT RELOCATION. During major incidents heavy vehicular movements are absolutely necessary for equal protection of the entire city. This fact was impressively pointed out by Engineers of the National Board of Underwriters who maintain that the remaining residents of a section should not be denied fire protection while another incident is taking place therein.

With this in mind we collaborated in the development of a progressive type Dispatcher's relocation guide and chart which enables them to equally distribute remaining units throughout the municipality without confusion or delay.

Fire Department

Fire Alarm and Radio Division (4)

IN SERVICE, ENROUTE. The adoption of the programmed return-to-service procedure has caused the number of previous radio messages to be increased substantially. However, the application of the stagger system enables the Dispatcher to receive and transmit return-to-service calls as fire traffic permits and to expedite response to subsequent alarms by favoring home-bound over the housed unit.

FIRE BOX DISTRIBUTION. Cognizant of the fact that an increase in availability is one of the effective devices to use against the delayed alarm problem, this Division has added 202 fire alarm boxes to its network in the past five years, increasing the system by 21.8% to a total of 1,086 signalling stations in the field.

Despite the fact that this city has numerous hills, and many irregularly shaped block systems with adjacent communities abutting it haphazardly, we were able to plan a method of coverage compatible to this situation, and have, in the past few years, economically and practicably brought the system to within 85% of completion.

The trend today is toward super blocks and the elimination of streets in redevelopments; this will present no problem as we continue to move forward.

City-owned fire alarm boxes, private alarm systems, public telephones and roving radio-equipped city and commercial vehicles provide the public with as many as four direct or indirect means by which the Fire Department may be summoned.

MAINTENANCE. Speedy and undisturbed flow of coded traffic necessitates a strict schedule of preventive and corrective maintenance of the signalling facilities.

Correspondingly we are carrying out a constant replacement and standardization program, this to prevent the occurrence of a fault and to facilitate finding it if it occurs.

To carry out our prepared plan of action, a member of this Division's official family has been designated as field maintenance co-ordinator and expeditor.

TRAINING. A continuous training program is in effect; a retraining curriculum complete with written material and drill outlines is under development.

PUBLIC RELATIONS. Institutional and industrial representatives were shown the ease and speed with which a coded signal received direct from their protected premises could be handled, as compared with the telephoned alarm of fire requiring a more involved procedure.

Visitors from other states and from foreign countries were also received and treated to a complete demonstration of our Central Office operation.

POWER SUPPLY. The installation of the ultra modern individual circuit power supply units is now complete. Since these units require that adequate level of electric power be constantly upheld, we maintain an auxiliary generator, completely equipped with automatic starting and change-over facilities. The unit is capable of supplying primary power for all transmitting and receiving equipment and emergency lighting, should our commercial source fail. This is another means by which the public is assured of continued fire alarm protection.

Fire Department

Fire Alarm and Radio Division (5)

RECORDS: The Division maintained a complete record of its activity throughout the year. The permanent equipment file was revised and expanded to include as much information as possible so as to enable maintenance personnel to carry out a programmed equipment service plan.

Records of the more complex tests were maintained and periodically analyzed in order to prevent difficulties.

A telephone directory embodying the names and numbers of fire officials, data on City, County and State agencies, and other officers who have authority to muster various facilities or perform functions, etc., was provided the Dispatchers.

We are now in the process of compiling a street file that will be second to none in the City. The file will be cross-indexed, and will contain the nearest box number and the first alarm response to every intersection in the municipality.

RECORDERS. On July 11, 1961, this Division began to automatically and permanently record both sides of every radio conversation with the use of tape recording machine. As recommended by the National Board of Fire Underwriters, similar units will shortly be connected to our telephone switchboard to record all communication between a caller and the Dispatcher.

Fourteen fire house type registers were purchased. Four will be used for installations in police precincts to supplement the existing tapper bell and thus prevent possible misreading of signals.

CONTROL CONSOLE. A command console designed by this Division, fabricated and installed by another city agency, was provided to enable centralized radio and telegraph control for greater operational flexibility.

The console, accommodating two Dispatchers, features dual radio units with associated microphones and foot control, street index, turn-out board, drop lock for positive time; telegraph key for routine signalling, automatic tape recorder, conelrad receiver and a button type telephone giving direct access to Fire and Police Department extensions, all Martland Medical Center and City Hall phones and a private line for outside business calls.

UTILITIES. Harmony is the essence of our relationship with the local utilities. A section of the ordinance granting them a franchise states in substance that they permit free use of their poles for connection of fire alarm equipment and wires thereto, and space in their subway to accommodate city fire alarm conductors.

For the protection of the public and their own interests, both utilities have cooperated with this Division to the greatest possible degree, with the result that we now have 154 miles of aerial line supported by their poles, and 354 miles of conductors housed in their ducts. This 508 mile network links all sections of the city with the central office; a radio system backup makes coverage complete.

A telephone switchboard of the latest manufacture was installed, extensions were re-numbered for uniformity of operation and additional business and fire lines provided, all with no loss of service by or to the department.

In another vein, the Telephone Company successfully traced several calls made by a false alarmist, and others where people reporting a fire left the scene before message was completed.

Fire Department

Fire Alarm and Radio Division (6)

TURN OUT BOARDS: After extensive research we designed a turn out board tailored to our particular need. Two such units were installed, one on the telephone switchboard and the other at the command console.

Interconnection of both units permits their control from two separate points and quickly establishes the status of each company at these operating points.

We have every reason to be more than satisfied with the performance of the units. They have already achieved a dramatic alleviation of what was rapidly becoming one of our worst problems, that of keeping a schedule of companies "on the air" on paper.

LOCATION-RESPONSE INDEX: In preparation for the publication of a new running card index to replace the existing book, this Division laid the groundwork for and with the assistance of Department Chief Officers, made ready a complete set of 2529 diverse printer's forms. On each card were included the fire box location, company assignment and order of response.

RADIO: Utilization of two-way radio equipment has proved the value of communication as a time-saving tool in the coordination of our emergency operations.

A full year's use of this unique duplex repeater radio system enabled car-to-car communication to be carried on with ease between units in the city regardless of location, all quartered fire companies to monitor both sides of each conversation with stationary receivers, and the mobile transmission of confidential messages to the exclusion of all others.

Continued installation of high powered speakers at Engine pump controls, with an audio output that permits them to be heard at the noisiest fire scene, removed the danger that messages may be missed or misinterpreted.

CIVIL DEFENSE: We are constantly exploring methods by which our radio, telephone and telegraph networks can jointly or singularly be put to additional use; one such venture is in the field of Civil Defense. In case of an impending air attack the fire alarm and radio systems are geared for quick switch-over to Civil Defense emergency status. Particular emphasis is being given to evacuation routes, the fire stations located thereon and the possibility of decentralizing the fire alarm system and operation therefrom.

Fire alarm box distribution along these routes is being re-surveyed with a view to the completion of an arterial system, conductors on all secondary streets and isolated intersections being sectionalized and connected thereto.

The employment of our existing fire alarm conductors for simplex telephony between two or more points along the escape route is possible without impairment of the efficiency of the fire alarm system, this with the use of portable telephone and booster battery sets.

As an auxiliary to our radio system, a Civil Defense transmitter/receiver stands ready to be used for the mobilization and deployment of fire fighting forces, for reception of reports from surface radiological monitors, and the dissemination of information concerning radiation levels and chemical and biological data. The dispatchers are required by Federal law to monitor the Conelrad receiver for alerts and be prepared to reduce all radio traffic to a minimum when so directed.

CENTRAL OFFICE

ITEM	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1-a) Full assignment alarms	330	353	345	381	325	256	368	311	371	383	426	409	4258
b) Sig. "8" reduced assignment alarms	75	65	56	57	50	46	33	36	49	58	56	74	655
c) Sig. "9" reduced assignment alarms	2	5	1	1	4	9	0	7	6	7	4	5	51
d) Total bell alarms	407	423	402	439	379	311	401	354	426	448	486	488	4964
e) Sig. "5" one unit alarm	294	258	306	394	416	418	407	399	397	404	371	408	4472
f) Total alarms in all categories	701	681	708	833	795	729	808	753	823	852	857	896	9436
2-a) Second alarms	2	0	1	1	5	3	0	1	3	1	2	3	22
b) Third Alarms	2	1	1	1	0	1	0	0	0	2	1	1	10
c) Fourth Alarms	0	0	0	1	0	0	0	1	0	0	0	0	2
d) Total Multiple Alarms	4	1	2	3	5	4	0	2	3	3	3	4	34
3-a) Total no fire boxes utilized for incidents	164	201	191	227	235	218	253	207	320	258	241	210	2725
b) A.B.T.Co. Bell Alarms	17	12	7	5	8	9	8	4	9	4	2	6	91
c) New'k Distr. Tele. Bell Alarms	0	0	0	0	2	0	0	0	0	0	0	0	2
d) Electro-Protect. Corp. Bell Alarms	1	1	0	1	0	0	0	0	0	1	0	1	5
e) Bell Alms for fires found by Pol. cars	4	2	2	3	6	4	3	1	3	3	5	3	39
f) Tele. Alms rec'd by Police relayed to this Dept.	7	6	7	7	6	5	8	5	6	5	6	5	73
g) Tele. Alarms rec'd by other Depts. relayed to this Dept.	0	0	1	0	0	1	0	0	1	0	0	0	3
h) Bell Alarms for fires reported by visit to firehouse	2	1	2	2	1	0	1	3	2	1	0	1	16
i) Bell Alms for fires found by Dept. units in the field	0	0	2	0	1	0	3	0	1	0	1	0	8
4-a) Daytime alarms transmitted during responsecurtailment period (Sig. 8-8)	0	0	38	220	169	119	181	143	175	200	204	0	1449
b) Assistance required (Sig. 10)	0	0	3	9	5	1	1	3	3	2	12	0	39

CENTRAL OFFICE (CONT'D)

ITEM	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
c) Units relieved from responding during this period (Eng.)	0	0	31	178	137	96	149	107	137	173	166	0	1174
d) Units relieved from responding during this period (Trucks)	0	0	31	178	137	96	148	107	136	173	166	0	1172
5-a) Confirming Alarms received from fire box after telephone notice of fire.	59	31	41	45	50	26	30	34	53	48	45	61	523
b) Confirming Telephone notice of fire received after alarm from fire box.	80	59	64	72	55	34	41	57	65	52	76	56	711
c) Report for same fire received through more than one medium	139	90	105	117	105	60	71	91	118	100	121	117	1234
d) Alarms received through only one medium without confirmation from any other source	268	333	297	322	274	251	330	263	308	348	365	371	3730
6-a) Units relocated to provide equal coverage of the City during emergencies	58	61	39	64	51	49	24	30	27	38	49	86	576
7-a) Telegraph Signals transmitted	3898	4681	3827	4123	3521	3081	3592	3350	4035	4082	4192	4701	47,083
8-a) Units enroute to alarms stopped by radio and put in service	1746	1944	1831	1842	1679	1428	1765	1818	2146	2050	2347	2445	23,041

Fire Department

BUREAU OF COMBUSTIBLES AND FIRE RISKS

Annual Report submitted by
Chief Inspector John F. Reilly
for the year ending December 31, 1961

Permits issued - - - - -	9,322
Hotel Certificates issued - - - - -	58
Fees received for Hotel Certificates - - - - -	\$1,580.00
Amount received in Miscellaneous Fees- - - - -	55,589.00
Plans examined or approved for: Bulk Oil Stations, Factories, Sprinkler Systems, Refrigerator Systems, Air Conditioning and other installations - - - - -	208
Fires Investigated - - - - -	3,175
Complaints investigated - - - - -	1,186
Garages Inspected - - - - -	3,690
Fuel Oil Tanks (Locations and Final Inspections Oil Burners- - - - -	1,582
Gasoline Tanks - - - - -	762
Solvent Tanks, etc.- - - - -	132
Pumps, all types - - - - -	201
Spray Booths, etc. - - - - -	272
Oil Heater Inspections - - - - -	57
General Inspections- - - - -	228
Violations Corrected - - - - -	12,198
In-Service Inspections (Violation Reports Received)	750
Total Inspections - - - - -	120
Letters and Violation Notices Sent - - - - -	23,869
Special Reports - Hotels Only- - - - -	1,352
Miscellaneous Reports, Health, Buildings, etc. -	702
	435

PROPERTY AND CONTENTS LOSS

<u>Month</u>	<u>Building</u>	<u>Contents</u>	<u>Vehicles (est.)</u>
January	\$313,066.74	\$233,450.50	\$3,600.00
February	145,551.41	75,807.66	2,850.00
March	297,354.44	153,647.16	3,500.00
April	228,580.43	265,539.49	4,700.00
May	119,567.56	109,552.75	4,400.00
June	120,984.55	128,234.52	4,950.00
July	63,200.08	52,796.17	4,800.00
August	111,143.73	207,509.11	3,950.00
September	86,353.17	47,000.00	4,200.00
October	218,692.05	52,869.00	3,650.00
November	151,638.10	114,992.63	4,000.00
December	<u>256,142.29</u>	<u>115,889.15</u>	<u>4,050.00</u>
	\$2,112,274.55	\$1,557,288.14	\$48,650.00 (est.)

Total Fire Losses - \$3,718,212.69
1960 Population - 405,220
Fires per 1000 pop. 12.31
Loss per Capita - 9.18

Total Actual Fires - 4,987
Fires in Buildings - 2,636
Miscellaneous Fires- 2,351

Fire Department

Bureau of Combustibles (2)

PRINCIPAL FIRES

Date	Alarm	Address	Occupancy	Bldg. Type	Cause
1/1/61	3rd	184-188 - 13th Ave.	Var. Tenants	3 st. Fr. Ten.	Undetermined
1/7/61	3rd	20 Prince Street	Mwk. Specialty	3 st. Fr. Whse	"
1/25/61	2nd	489-493 Hunterdon St.	Var. Tenants	3-3 st. Fr. Ten.	Kero. Heater
1/27/61	2nd	488 Summer Ave.	" "	4 st Br & Fr Apt	Undetermined
2/20/61	3rd	65-69 Mott St.	" "	5-3 st. Fr. Ten.	Kero. Heater
3/13/61	3rd	390 Littleton Ave.	" "	3 St. Fr. Ten.	" "
3/18/61	2nd	131 Market St.	Bamberger's	10 St. Br. Dept. St.	Careless Smok
4/8/61	2nd	67 Jabez St.	Nahon's Exp.	1 Br & Fr. Frt. Sta.	Incendiary
4/11/61	4th	18 Avenue L	J. Engelhorn	1 Br. Meat Dist.	Undetermined
4/23/61	3rd	543-547 Bergen St.	Var Tenants	3-3 St. Fr. Ten.	Children & Matches
5/9/61	2nd	145 Pulaski St.	Vacant Bldg.	2 St. Fr. Dwell.	Short Circ.
5/24/61	2nd	120 Frelinghuysen Ave	Weiswand Furn.	2 Br & Fr. Furn.	Undetermined
5/27/61	2nd	164-172 Prince St.	Var. Tenants	3&4 St. Fr. Ten.	Incendiary
5/28/61	2nd	Clayton & Barclay	" "	3-2 st. Fr. Ten.	"
5/28/61	2nd	444 Elizabeth Ave.	Tavern Rest.	3 St. Fr. Rest.	Grease Ducts
6/1/61	2nd	78 Lister Ave.	Vacant Factory	2 Br. Factory	Undetermined
6/8/61	2nd	80-82 - 12th Ave.	Var. Tenants	2-3 St. Fr. Ten.	Incendiary
6/11/61	2nd	Ft. of Ermett St.	Stacor Corp.	1 Br. Indust.	Careless Smok
6/30/61	3rd	117 Belmont Ave.	Var. Ten.	3 St. Fr. Ten.	Vagrants
8/1/61	4th	243 Elizabeth Ave.	Bowling Alley	1 St. Br. Bowl. Al.	Undetermined
8/18/61	2nd	281 Astor St.	Essex Paper Box	1 Br. Garage	Undetermined
9/5/61	2nd	161-165 Prince St.	Var. Tenants	2 Bldgs.	Vagrants
9/6/61	2nd	429 So. 10th St.	Var. Tenants	2-3 st. Fr. Ten.	Child. Match
9/26/61	2nd	53 Rutgers St.	" "	2-2½ Fr. Dwell.	Undetermined
10/27/61	3rd	326 Springfield Ave.	" "	4 st. Br. Apt.	Arson
10/28/61	2nd	360 Broad St.	Allen Floor Cov.	2 Br. Lino. Store	Incendiary
10/29/61	3rd	139 Blanchard St.	Mwk Std. Tallow	2 St. Blk. Factory	Undetermined
11/16/61	2nd	467 Clinton Ave.	Var. Tenants	3 St. Fr. Ten.	Child. Match.
11/27/61	3rd	16-20 Avon Pl.	" "	3 Bldgs.	Kero. Heater
11/28/61	2nd	1020 Bergen St.	Foodtown	1 st. Br. Market	Careless Sm.
12/2/61	2nd	1196 Broad St.	Tavern & Tenants	3 st. Fr. Tav. & Ten.	Short Circ.
12/8/61	3rd	513-517 Orange St.	Var. Stores	3-1st. Br. Stores	Undetermined
12/9/61	2nd	196 Hawthorne Ave.	Tavern & Tenants	3-3st. Fr. Tav Ten	Careless Disc of Ash Trays
12/23/61	2nd	236-244 Lyons Ave.	Var. Stores	3 Bldgs.	Undetermined.

2nd Alarms - 22

3rd Alarms - 10

4th Alarms - 2

DEATHS RESULTING FROM FIRES

Causes	Ages	Male	Female	:: Causes	Ages	Male	Female
Smoking	42	1		:: Incendiary	7	1	
"	78	1		:: "	63		1
"	94		1	:: Smoking	36	1	
Kero. Heater	26	1		:: "	32		1
" "	50	1		:: Flam. Liquid	10	1	
Child. Matches	1	1		:: Arson & Murder	32	1	
Kero. Heater	64	1		:: Kero Heater	3	1	
Asphyxiation	50	1		:: " "	7 Mo.	1	
Smoking in Bed	53	1		:: " "	5	1	
Fighting Fire	35	1 (Fireman		:: Smoking	18	1	
Smoking	71	1		:: " "	42		1
Incendiary	7		1	:: " "	57		1
"	26		1	:: " "	67	1	

Total Deaths Due to Fires - 26

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Bureau of Combustibles (3)

CLASSIFICATION OF BUILDINGS

Airport Terminal	1	Hospitals	6	Smoke Houses	3
Apartments	539	Hotels	12	Tar Pots	1
Barges & Boats	4	Junk Yards	44	Taverns	31
Churches	16	Laundries Commercial	9	Theatres	4
Clubs	1	Launderettes	2	Transformers	8
Barns	1	Lumber Yards	5	Trees	21
Diners	1	Mail Boxes	16	Tenements	707
Dwellings	512	Nursing Homes	3	Warehouses	30
Factories	228	Office Bldgs.	74	Wagons	1
Freight Cars	14	Orphanages	1	Trash Cans (City)	6
Rooming Houses	56	Parking Lots	1	Signs (Outdoor)	3
Freight Stations	3	Pass. R.R. Station	9	Newspaper Printers	2
Garages (Private)	24	Poles (Clothes, Etc.)	35	Vacant Bldgs.	3
" (Public)	13	Piers	1	Terminals (Bus)	3
" (Commercial)	24	Recreation Centers	8	Miscellaneous	20
Store Awnings	8	Restaurants	15	Storage Yards	10
Boiler Rooms	2	Sheds	51	Stubbish	464
Bldgs under Constr.	8	Schools (Private)	2	Brush	473
Dept. Stores	6	" (Public)	16	Christmas Trees	17
Dumps	40	Sewers	30		
Fences	9	Stores Small	194		

CAUSES OF FIRES

Auto Accidents	38	Fumigations	22	Defec. Carburetors	145
Break & Entry	1	Grease Ovens	4	Rekindles	26
Candles	9	" Ducts	6	Sparks	29
Chimney	63	Incendiary	73	Sprinklers	167
Careless Cooking	193	Incinerators	79	Spontaneous Comb.	131
Careless Handling of		Gas Ranges, Defec.	67	Smoking, Carless	1223
Liquid Chemical	14	" Heaters	3	Salamanders	10
Overheated Combustible		" Refrigerator	1	Street Flares	7
Chambers	17	" Leaking Pipes	12	Smudge Pots	4
Electric Motors	12	Kero. Lamps	1	Short Circuits	774
" Irons	9	Light Bulbs	3	Smoke Pipes	20
" Heaters	5	Lightning	6	Tar Pots, Overheated	3
" Toasters	2	Matches	567	Transformers	4
" Air Cond.	1	Malicious	74	Undetermined	300
" Refrig.	2	Motor Overheating	7	Vagrants	25
Explosions	1	Oil Burners Defec.	3	Welding & Plumbing	
Exposure Fires	19	Oil Leaks	11	Torches	92
Fire Crackers	1	P.S. Fires Shorts	29	T.V. Sets	17
Friction	37	Propane Heater	1	Clothes Dryer	1
Defec. Furnaces	255	Pot Stove Defec.	2	Miscellaneous	167

EXTA ACTIVITIES

Special and intensive inspections of all schools, public, private and parochial, were made for the purpose of eliminating all possible hazards, and submitting to the Superintendent of Schools a list of violations which were to be corrected.

Information was given by Fire Record Clerk to various insurance companies relative to fire investigations. This information was given at the office. Ten subpoenas served on Chief Inspector for records pertaining to various fires; 24 court appearances for various members also pertaining to various fires.

Fire Department

Bureau of Combustibles (4)

Distribution of regulations for oil drums and oil heaters, fire prevention posters for Fire Prevention Week was made, and special fire drills and lectures were given in schools, hospitals, factories, etc., Fire prevention and protection advice were given by the office staff during Christmas season, relative to making Christmas trees, decorations, costumes, etc., fire resistive.

Special notices regarding holiday decorations were distributed to taverns, restaurants, hotels, and night clubs; notices were distributed to storekeepers in relation to Christmas decorations and storage of stock.

Letters were sent to Building, Health, and Electrical Departments listing violations of their codes which our inspectors found during their inspections.

All taverns were inspected by the Bureau prior to issuance of licenses or granting renewals by the A.B.C. Board.

Assistant Chief Inspector Charles V. Stiennen and a detail of seven men patrolled stores to check on conditions and to prevent smoking in stores during Christmas rush.

Special inspections were made in cooperation with Mr. John Arthur of the Building Department of all stairways, refrigerator systems, air conditioners, etc., of all new buildings, remodeled buildings, hotels, and hospitals. Special tests made on new installations of standpipes, sprinklers and fire pumps. Special inspections were also made in cooperation with other departments in connection with licenses for dance halls, hotels, boarding houses, etc.

Representatives of this Bureau participated in conferences with the National Commission for Neighborhood Conservation and Rehabilitation and made recommendations toward better fire safety practices.

On July 4th, a special detail was assigned to the City Stadium for a fire works display, and special details were assigned throughout the City for various fire works displays, circuses and any special event where large groups of persons gathered.

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Fire Department

Annual Report of Fire Loss Record Bureau for the year ending December 31, 1961

Fire losses for the year 1961 were as follows:

	<u>BUILDINGS</u>	<u>CONTENTS</u>
January	\$313,066.74	\$233,450.50
February	145,551.41	75,807.66
March	297,354.44	153,647.16
April	228,580.43	265,539.49
May	119,567.56	109,552.75
June	120,984.55	128,234.52
July	63,200.08	52,796.17
August	111,143.73	207,509.11
September	86,353.17	47,000.00
October	218,692.05	52,869.00
November	151,638.10	114,992.63
December	<u>256,142.29</u>	<u>115,889.15</u>
Total	\$2,112,274.55	\$1,557,288.14

Combined Total - \$3,669,562.69

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Fire Department

ARSON SQUAD

Annual Report submitted by
Battalion Chief Vincent A. Brennan
for the year ending December 31, 1961.

All fires investigated by the Arson Squad, also all complaints, suspicious fires, multiple alarm fires, deaths, arrests and dispositions of all arrests excluding the names of all adults and juveniles arrested or apprehended and released are submitted in a summary in this report. The names and records of all arrests and persons apprehended and released are on file in the office of the Arson Squad.

During the year 1961, this division worked in conjunction with the National Board of Fire Underwriters, the National Fire Protection Association, the Bureau of Combustibles, the Police Department, the Board of Education, the office of the Prosecutor of Essex County, the State Labor Department, and other agencies in the investigation of suspicious fires, arson suspects and special investigations.

Arrest records and photographs of all persons prosecuted for criminal offenses during the year 1961 are on file in the office of the Arson Squad. Copies of written statements of all suspects and witnesses involved in suspicious fires and other violations are on file in this office.

Special bulletins on all arrests, apprehensions, suspicious fires, and special investigations, also reports of all deaths caused by fire are submitted to the Director of the Fire Department and the Chief Engineer.

Three members of the Arson Squad attended the Arson seminar at Purdue University, and two members of the Arson Squad attended the Arson seminar at Ohio State University. Three members are taking a course in Photography at the Essex County Adult Technical School.

Other activities included educational talks on Arson Detection and Investigation to civic groups in the city and state.

Following is a summary of the total investigations and other activities of this division:

Fires investigated	548
Special investigations	44
Investigations - False Alarms	1,466
Total investigations	2,058

The following figures are included in the above totals.

Arrests	94
Deaths	26
Two-alarm fires	22
Three-alarm fires	10
Four-alarm fires	2

Arrests for Arson - - 5	Convictions for Arson - 4 pending, 1 conviction
Setting fires - - 10	Setting fires - 9 convictions, 2 dismissed
False alarms - - 11	False Alarms - 11 convictions
Disorderly persons- 2	Disorderly Persons - 2 convictions
Illegal oil stove - 12	Illegal Oil Stoves - 12 convictions
Loitering under liquor -1	- - - - -
Arson Murder - - - - 2	Arson Murder - 2 pending.

Fire Department

Arson Squad (2)

Juvenile Offenses: Setting fires - 33; False Alarms - 44;- Other - 4.

DEATHS RESULTING FROM FIRES

<u>Date</u>	<u>Station</u>	<u>Time</u>	<u>Sex</u>	<u>Age</u>	<u>Cause</u>
1/3	Sig. 5	6:02 A.M.	M	42	Careless Smoking
1/18	Complaint	11:21 A.M.	M	78	" "
1/22	- -	- -	F	94	No Fire Dept. Response
1/24	1172	3:08 A.M.	M	26	Defective Oil Stove
1/24	1172	3:08 A.M.	M	50	" " "
2/7/	4112	2:51 P.M.	M	1	Child playing with matches
2/17	4141	2:56 A.M.	M	64	Defective Oil Stove
3/22	1212	2:13 A.M.	M	50	Undetermined
3/25	4329	9:35 P.M.	M	53	Smoking in Bed
4/11	5325	4:53 A.M.	M	35	Died Fighting fire
5/17	5129	2:55 P.M.	M	71	Smoking
6/8	1222	2:49 A.M.	F	7	Incendiary
6/8	1222	2:49 A.M.	F	26	"
6/8	1222	2:49 A.M.	M	7	"
8/8	2419	9:49 A.M.	F	63	"
8/21	5322	9:44 A.M.	M	36	Careless Smoking
8/19	4114	5:35 A.M.	F	32	" "
8/24	5425	6:45 P.M.	M	10	Set fire to pail of liquid
10/29	4212	11:05 P.M.	M	32	Arson Murder
11/25	4139	8:17 A.M.	M	3	Defective Oil stove
11/25	4139	8:17 A.M.	M	7 Mo.	" " "
11/25	4139	8:17 A.M.	M	5	" " "
12/3	1565	2:18 P.M.	M	18	Careless Smoking
12/17	1219	7:15 P.M.	F	42	" "
12/25	1467	3:05 A.M.	F	57	" "
12/31	3553	7:52 P.M.	M	67	" "

FALSE ALARMS (ADULTS)

Jan. 19	Guilty.	Sentenced to 60 days.
Feb. 15	Guilty.	Sentenced to 60 days.
" 17	Guilty.	Probation two years.
" 18	Guilty.	\$50 fine.
" 20	Guilty.	\$100 fine.
Apr. 6	Guilty.	Sentenced to 15 days.
June 5	Guilty.	Sentenced to 90 days.
Oct. 27	Guilty.	Sentenced to 60 days.
Nov. 1	Guilty.	\$100 fine.
Dec. 30	Guilty.	\$500 fine.

ARRESTS AND DISPOSITIONS (ADULTS)

Jan. 6	Malicious burning.	Not Guilty
" 6	" "	Martland Medical for psychiatric examination.
" 11	Illegal oil stove.	Guilty. One year probation.
" 11	Illegal oil stove.	Guilty. One year probation.
" 21	Malicious burning.	Dismissed.
" 25	Illegal oil stove.	Suspended sentence.
" 28	Malicious mischief.	Guilty. 30 days.

Fire Department

Arson Squad (3)

Jan. 30 Illegal oil stove. Guilty. \$100 fine.
 " 31 Illegal oil stove. Guilty. \$50 fine.
 Feb. 7 Illegal oil stove. Guilty. \$25 fine.
 Feb. 9 Illegal oil stove. Guilty. Suspended sentence.
 " 20 Illegal oil stove. Guilty. \$100 fine.
 " 22 Illegal oil stove. Guilty. \$100 fine.
 Mar. 5 Malicious burning. Committed to Lyons Veterans Hospital.
 " 6 Disorderly person. Guilty. Suspended sentence.
 " 5 Illegal oil stove. Guilty. \$100 fine.
 " 13 Illegal oil stove. Guilty. \$100 fine.
 " 23 Illegal oil stove. Guilty. \$100 fine.
 " 24 Malicious burning. Guilty. \$200 fine.
 June 26 Malicious burning. Guilty. One year Essex County Penitentiary.
 Aug. 3 Malicious burning. Sent to Martland Medical; transferred to
 Trenton State Hospital.
 Aug. 18 Attempted Arson. Grand Jury. \$1,000 bail.
 " 2 Illegal burning. Guilty. \$100 fine.
 Sept. 4 Arson. Grand Jury - \$5,000 bail. Sent to Martland Medical.
 Committed to Trenton State Hospital.
 Sept. 6 Open burning. Guilty. \$50 fine.
 " 13 Arson. Grand Jury. \$5,000 bail.
 " 15 Malicious burning. Guilty. \$10 fine.
 Nov. 8 Arson and Murder. Grand Jury. No bail.
 Dec. 8 Arson. Grand Jury. \$2,500 bail.

FALSE ALARMS (JUVENILES)

Jan. 16	Referred to Y.A.B. (3 Juveniles):	May 12	Referred to Y.A.B. (2 Juveniles)
" 19	Reprimand.	: June 1	Reprimand.
Feb. 6	Reprimand.	: " 3	Referred to Y.A.B. (2 Juveniles)
" 18	Referred to Y.A.B.	: " 10	Referred to Y.A.B.
Mar. 3	Referred to Y.A.B. (2 Juveniles):	July 20	Reprimand. (3 Juveniles)
" 3	Referred to Y.A.B. (4 Juveniles):	" 17	Reprimand.
" 23	Referred to Y.A.B. (6 Juveniles):	Aug. 30	Reprimand. (2 Juveniles)
Apr. 22	Reprimand.	: Oct. 11	Referred to Probation Dept.
" 17	Referred to Y.A.B.	: " 16	Referred to Y.A.B.
May 2	Reprimand. (2 Juveniles)	: " 24	Referred to Y.A.B. (3 Juveniles)
" 7	Reprimand. (2 Juveniles)	: Nov. 14	Referred to Probation Dept.
" 4	Referred to Y.A.B. (2 Juveniles):		(2 Juveniles)

ARRESTS AND DISPOSITIONS (JUVENILES)

Jan. 5 Arson. Referred to Y.A.B.
 " 25 Malicious Damage. Referred to Y.A.B.
 Feb. 2 Malicious Damage. Reprimand
 " 7 Arson. Reprimand.
 Mar. 5 Malicious Damage. Reprimand
 " 10 Malicious burning. Referred to Y.A.B.
 " 6 Malicious burning. Referred to Y.A.B. (2 juveniles)
 " 24 Arson. Referred to Y.A.B.
 Apr. 7 Attempted Arson. Referred to Y.A.B.
 " 12 Playing with matches. Reprimand. (6 juveniles)
 " 12 Playing with matches. Reprimand. (2 juveniles)
 June 1 Arson. Referred to Y.A.B.
 " 3 Malicious burning. Referred to Y.A.B.
 " 5 Arson. Referred to Y.A.B.
 July 20 Arson. Referred to Essex County Welfare Board.
 " 24 Malicious burning. Referred to Y.A.B.
 Oct. 2 Malicious burning. Referred to Y.A.B. (5 juveniles)
 " 4 Playing with matches. Reprimand. (4 juveniles)
 Nov. 14 Arson (2 counts). Referred to Y.A.B.

F i r e D e p a r t m e n t
SPECIAL SERVICE AND SUPPLY COMPANY

Annual Report submitted by
Battalion Chief Peter B. Kelly
for the year ending December 31, 1961.

This company serves the Department 24 hours a day, seven days a week. There are always four men on night duty to respond with Special Service emergency trucks to assist in any emergency.

The following vehicles are assigned to and operated by this unit.

- 1 Dodge 4-door sedan for Battalion Chief Peter B. Kelly.
- 1 Dodge 4-door sedan for Captain H. Brunner - Apparatus Inspector.
- 1 Dodge 4-door sedan for department messenger.
- 1 Dodge 3/4 ton open body delivery truck.
- 1 G.M.C. 1-ton emergency truck.
- 1 G.M.C. 1-ton utility truck.
- 1 Ford 1/2-ton truck open body used for recharging fire extinguishers.
- 3 Ford 1/2-ton pick-up trucks.
- 1 Ford 1-1/2 ton truck used as smoke ejector.

This company responded to 56 alarms of fire with smoke ejector, floodlights, generators, portable pumps, foam powder, foam liquid, wet water, etc.

Public relations - participated in 15 demonstrations showing the proper handling of CO₂, foam, soda and acid, and dry powder extinguishers at hospitals, schools, and institutions; also participated in Fire Prevention Week activities.

Pumping out cellars - A total of 21 cellars were pumped out consuming 126 hours of actual pumping time.

Cut and pulled weeds and brush around all hydrants in the Port Newark and other outlying areas. Inspected 260 hydrants and reported 57 to the Water Department.

Made all necessary change of apparatus. This required moving 167 pieces of apparatus to and from the various companies and Empire Street repair shop, paint shop, body shop, spring shop and the F & P Brake Company. Moved all apparatus and other vehicles to and from R.C.A. Corp. at 19 Prospect Street for radio repairs or new installations.

Supplied gasoline and motor oil to pumpers and other apparatus at the scene of multiple alarms and other fires or emergencies. A total of 10,641 gallons were delivered, of which 1950 gallons were delivered to the Fire Boat, and 2090 gallons went to the scene of fires.

During the year, a total of 327 CO₂ extinguishers were picked up at Special Service and recharged. A replacement is made at the time of pick up with a charged extinguisher. All tanks that have not been hydrostatically tested within a five-year period receive the I.C.C. test before being recharged.

Canvas shop - Repaired all old salvage covers and replaced those not fit for fire use; made covers for the tops of apparatus covering hose compartments, spine boards, foam boxes, stanchions for aerial ladder control levers, mask boxes, hailers, stretchers, pay-roll pouches and tool bags. Also lettered 50 new salvage covers.

Fire Department

Special Service and Supply Co.(2)

A total of 226 soda and acid, and 45 foam fire extinguishers were refilled at hospitals, institutions, and city buildings.

Members of this Company participated in numerous company drills operating the smoke ejector, both from house current and generator; drilled in the use of portable pumps, generators and floodlights; maintained apparatus and equipment used by Special Service in good operating condition, equipped properly; and ready to respond to any emergency.

Members of this company made all transfers and replacements of 196 ladders for a total of 4,935 feet that were damaged or broken at fires; also made arrangements for all ladders that needed refinishing or repairs to be brought into carpenter shop.

Supplies - All supplies, tools, equipment, varsol, disinfectant, waste, rags, soap, etc., are requisitioned, apportioned and delivered by Special Service and Supply Company. This necessitates approximately 60 deliveries a month by truck. Supplies and other equipment requested by special requisition are delivered as soon as possible and necessitates about 700 truck deliveries a month.

This unit repaired 298 Port lights and supplied 330 Burgess batteries, delivered 514 Burrell All-Service gas mask canisters; also delivered 212 oxygen and 16 Scott Air cylinders.

A total of 86 - 100 lb. bags of rock salt were delivered to the various companies for use on icy sidewalks.

During the year we delivered 11 new metal lockers to the various fire houses, and picked up 6 air compressors from companies for repairs and later delivered them back to the company quarters.

Many other services necessary to the efficient operation of the Fire Department were performed by Special Service & Supply Company during the year.

Fire Department
Special Service and Supply Co.(3)

HOSE DIVISION

The following report indicates the amount of fire hose in actual service, new hose in reserve, used hose on hand as of December 31, 1961.

2 $\frac{1}{2}$ " C.R.L. & Dacron Filler Fire Hose

In Service on apparatus	- 1510 Lengths	- 65,500 feet
New Hose in Reserve	- 11 "	- 550 "
New Hose Issued	- 292 "	- 14,600 "
Used Hose Issued	- 22 "	- 1,100 "
Used Hose in Reserve	- 197 "	- 9,850 "
New Hose Received	- 256 "	- 12,500 "
Total	2,082 Lengths	104,100 feet

1 $\frac{1}{2}$ " C.R.L. & Dacron Filler Fire Hose

In Service on apparatus	- 550 lengths	- 27,500 feet
New Hose in Reserve	- 74 "	- 3,700 "
New Hose Issued	- 75 "	- 3,750 "
New Hose Received	- 125 "	- 6,250 "
Total	824 Lengths	41,200 feet

3/4" Booster Hose Rubber Covered

In Service on Apparatus	- 192 Lengths	- 9,600 feet
New Hose in Reserve	- 7 "	- 350 "
New Hose Issued	- 11 "	- 550 "
New Hose Received	- 12 "	- 600 "
Total	222 Lengths	11,100 feet

1" H.P. Booster Hose Rubber Covered, 4,000 lb. Test

In Service on Apparatus	- 20 Lengths	- 1,000 feet
New hose in Reserve	- 4 "	- 200 "
Used Hose in Reserve	- 4 "	- 200 "
New Hose Issued	- 2 "	- 100 "
Total	30 Lengths	1,500 feet

1" H.P. Booster Hose Rubber Covered, 1,000 lb. Test

New Hose in Reserve	- 4 Lengths	- 200 feet
Used Hose in Reserve	- 6 "	- 300 "
Total	10 Lengths	500 feet

3" C.R.L. & Dacron Filler Fire Hose

In Service on Apparatus	- Various Lengths	- 835 feet
	(16 to 75 feet)	
New Hose in Reserve	- 2 Lengths	150 feet
New Hose Issued	- 1 "	29 feet
Total		1,014 feet

Fire Department
Special Service and Supply Co. (4)

4 1/2" Soft Suction Hose

In Service on Apparatus - 10 and 15 foot lengths	-	560 feet
New Hose in Reserve - 1-30 ft. and 3 - 15 ft. "	-	75 feet
" " " " - 5 - 10 ft. lengths	-	50 feet
New Hose Issued - 11 - 15 ft. lengths	-	165 feet
New Hose Received - 6 - 30 ft. lengths	-	180 feet
Total		1,030 feet

6" Hard Suction Hose

In Service on Apparatus - 60 - 10 ft. lengths	--	600 feet
In Reserve - 8 - 10 ft. lengths	-	80 feet
New Hose Received - 6-10 ft. lengths	-	60 feet
Total		740 feet

4 1/2" Hard Suction Hose

In service on apparatus- 8 - 10 ft. lengths	-	80 feet
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4" Hard Suction Hose

In service on apparatus - 2 - 10 ft. lengths	-	20 feet
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2 1/2" Hard Suction Hose

In service on apparatus - 2 - 10 ft. lengths	-	20 feet
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Hose Repaired

6 " Hard Suction, repaired couplings on 7 lengths		
4 1/2 " Soft Suction, repaired 16 - 15 ft. lengths	--	240 feet
3" Hose, repaired 2 - 30 ft. lengths	--	60 feet
2 1/2 " Hose, repaired 78 - 50 ft. lengths	--	3900 feet
1 1/2 " Hose, repaired 53 - 50 ft. lengths	--	2650 feet
3/4" Booster Hose, repaired 13-50 ft. lengths	--	650 feet
Total		7500 feet

Hose Tested

2 1/2" Hose - - - - -	1,310 - 50 ft. lengths	-65,500 feet
1 1/2" Hose - - - - -	550 - " " "	27,500 "
1" Booster H.P. - - - -	20 - " " "	1,000 "
3/4" Booster - - - - -	192 - " " "	9,600 "
	2,072 " " "	103,600 feet

The Annual Hose Test was conducted during April and May. Hose found unfit for service was either replaced or repaired. 2 1/2" hose issued prior to and including the year 1949 was taken out of service and placed in reserve (197 - 50 ft. lengths). New Hose was issued to replace old hose taken out of service. Ten lengths of old 2 1/2" hose was sold during the year. Reports were submitted to Fire Headquarters with the names and addresses of buyers to be billed for same. 106 pieces of equipment were repaired and returned to service, including 2 1/2" and 1 1/2" playpipes, booster nozzles, gate valves, Siamese connections, fog nozzles, etc.

Fire Department

Special Service Co., 56 Prospect Street

Annual Report of the Apparatus Division
for the year ending December 31, 1961

In compliance with orders, I herewith submit the following report. All apparatus in the Newark Fire Department were inspected at regular intervals during the year. Pumping engines, aerial trucks, chiefs' cars and other equipment were checked and when necessary were repaired at the Bureau of Motors.

All new Fire apparatus, chiefs' cars and other new Fire Department vehicles were checked thoroughly to see that they complied with department specifications. All members of companies were instructed in the operation and care of all new apparatus and equipment.

During the year arrangements were made with the New Jersey State Motor Vehicle Inspection Station for all Fire Department cars to be inspected and receive the necessary stickers.

This Division assisted in making arrangements to have all Fire Department apparatus, chiefs' cars and other vehicles of the Fire Department change radio units from New Jersey Bell Telephone Company to N.C.A. Radio units.

Tires on apparatus were inspected at regular intervals throughout the year. Apparatus and other motorized equipment in the Fire Department were greased periodically. Motor oil was changed when required, transmissions and rear ends were checked, oiled, greased and inspected. All Motorized equipment requiring winterizing was prepared for the winter season.

Assisted Mr. Albert Jacobson, a representative of the Atlas Life Net and Life Belt Company of New York City, in making an inspection of all life belts and life nets in service in the Fire Department. All defects were noted and replacements were made where necessary.

The following makes and types of apparatus and other vehicles are in service in the Newark Fire Department.

Eng.Co. 1 - 1961 Mack 1000 G.P.M. Pumper
Unit No. 2 - 1956 International 500 G.P.M. Pumper
Eng.Co. 2 - 1948 Ward LaFrance 1000 G.P.M. Pumper
Eng.Co. 4 - 1948 American LaFrance 1000 G.P.M. Pumper
Eng.Co. 5 - 1952 American LaFrance 1000 G.P.M. Pumper
Eng.Co. 6 - 1958 John Bean 750 G.P.M. Pumper H.P.
Eng.Co. 7 - 1952 American LaFrance 1000 G.P.M. Pumper
Eng.Co. 8 - 1952 American LaFrance 1000 G.P.M. Pumper
Unit No. 2 - 1943 American LaFrance Ford 500 G.P.M. Hose Wagon
Eng.Co. 9 - 1948 American LaFrance G.P.M. Pumper
Unit No. 2 - 1960 John Bean International 500 G.P.M. Hose Wagon
Eng.Co. 10 - 1952 Mack 1000 G.P.M. Pumper
Unit No. 2 - 1956 International 500 G.P.M. Hose Wagon
Eng.Co. 11 - 1948 American LaFrance 1000 G.P.M. Pumper
Eng.Co. 12 - 1961 Mack 1000 G.P.M. Pumper
Eng.Co. 13 - 1956 Mack 1000 G.P.M. Pumper
Eng.Co. 14 - 1956 John Bean International 750 G.P.M., H.P. Pumper

Fire Department

Special Service Co., 56 Prospect Street

Apparatus Division (2)

Eng.Co.15 - 1948 American LaFrance, 1000 G.P.M. Pumper
Eng.Co.16 - 1952 Mack 1000 G.P.M. Pumper
Unit No.2 - 1956 International 500 G.P.M. Pumper
Eng.Co.17 - 1949 American LaFrance 1000 G.P.M. Pumper
Unit No.2 - 1958 Maxim International 500 G.P.M. Pumper
Eng.Co.18 - 1952 American LaFrance 1000 G.P.M. Pumper
Eng.Co.19 - 1949 American LaFrance 1000 G.P.M. Pumper
Unit No.2 - 1943 American LaFrance Ford 500 G.P.M. Hose Wagon
Eng.Co.20 - 1952 Mack, 1000 G.P.M. Pumper
Unit No.2 - 1960 John Bean International, 500 G.P.M. Hose Wagon
Eng.Co.21 - 1952 American LaFrance, 1000 G.P.M. Pumper
Eng.Co.26 - 1947 Mack, 1000 G.P.M. Pumper
Eng.Co.27 - 1949 Four Wheel Drive, 1000 G.P.M. Pumper
Unit No.2 - 1958 Maxim International, 500 G.P.M. Pumper
Foam Unit- 1942 G.M.C.
Eng.Co.28 - 1948 American LaFrance, 1000 G.P.M. Pumper
Eng.Co.29 - 1947 Mack, 1000 G.P.M. Pumper
Eng.Co.32 - 1949 Four Wheel Drive, 1000 G.P.M. Pumper

Reserve Apparatus:

2 - 1927 Ahrens Fox, 1000 G.P.M. Pumpers
2 - 1930 American LaFrance, 1000 G.P.M. Pumpers
1 - 1942 American LaFrance 1250 G.P.M. Pumpers
1 - 1952 Mack, 1000 G.P.M. Pumper
1 - 1948 American LaFrance, 1000 G.P.M. Pumper
2 - 1943 American LaFrance, Ford, 500 G.P.M. Hose Wagons
1 - 1942 Mack, H.F. - Hose Wagon
1 - 1954 G.M.C. Salvage Truck

Truck Companies:

Truck Co. 1 - 1956 Peter Pirsch, 100 ft. Metal Aerial
Truck Co. 2 - 1958 Maxim, 100 ft. Metal Aerial
Truck Co. 3 - 1953 Peter Pirsch, 85 ft. Metal Aerial
Truck Co. 4 - 1949 American LaFrance, 85 ft. Metal Aerial
Truck Co. 5 - 1953 Peter Pirsch, 85 ft. Metal Aerial
Truck Co. 6 - 1944 Peter Pirsch, 75 ft. Wood Aerial
Truck Co. 7 - 1953 Peter Pirsch, 85 ft. Metal Aerial
Truck Co. 8 - 1940 American LaFrance, 75 Ft. Wood Aerial
Truck Co. 9 - 1949 American LaFrance 85 ft. Metal Aerial
Truck Co. 10 - 1944 Peter Pirsch, 75 ft. Wood Aerial
Truck Co. 11 - 1949 American LaFrance, 85 ft. Metal Aerial
Truck Co. 12 - 1938 American LaFrance, 100 ft. Metal Aerial

Reserve Apparatus:

1 - 1930 Ahrens Fox, 75 ft. Wood Aerial
1 - 1931 Ahrens Fox, 75 ft. Wood Aerial
1 - 1936 American LaFrance, 85 ft. Wood Aerial

Fire Department

Apparatus Division (3)

Rescue Squad Company- 1959 Ford
Salvage Co. No. 1 - 1954 G.M.C.
Salvage Co. No. 2 - 1945 American LaFrance
Floodlight Co. - 1937 Ford
Fireboat - Hanley (Steel Hull) 2000 G.F.M.

Special Service and Supply Company

1952 Dodge, Reg. 54
1950 G.M.C., Reg. 67
1948 G.M.C., Reg. 75
1940 Ford, Reg. 52
1958 - 1-1/2 ton Ford, Reg. 58
1948 Ford, Reg. 62
1958 Ford Pickup, Reg. 69
1958 Ford Pickup, Reg. 74
1948 Ford Grease Truck, Reg. 93

Chief Engineer - 1959 Buick Sedan
Deputy Division No. 1 - 1956 Oldsmobile Sedan
Deputy Division No. 2 - 1956 Oldsmobile Sedan
In Reserve -

4 - 1956 Oldsmobile Sedans

1 - 1955 Buick Sedan

Battalion No. 1 - 1960 Dodge Dart Station Wagon
Battalion No. 2 - 1960 Dodge Dart Station Wagon
Battalion No. 3 - 1960 Dodge Dart Station Wagon
Battalion No. 4 - 1960 Dodge Dart Station Wagon
Battalion No. 5 - 1960 Dodge Dart Station Wagon

Chief, Special Service and Supply Co. - 1952 Dodge Sedan
Hose Department - 1949 Dodge Sedan
Inspector of Apparatus - 1953 Dodge Sedan
Messenger for Fire Headquarters - 1950 Dodge Sedan

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Fire Department

TRAINING ACADEMY

Annual Report submitted by
Deputy Chief Henry L. Schoettly
for the year ending December 31, 1961

During the year 1961 the Academy staff conducted 299 sessions of instruction to various groups. The greatest amount of time was devoted to recruit training and to company re-training (see Appendix I). Many other groups also received instruction or were given lectures or demonstrations. These groups consisted of the personnel of hospitals and civic, religious and fraternal organizations as well as private fire brigade groups. A total of approximately 38 subjects was covered.

During Fire Prevention Week speakers were sent to 107 assembly periods in public and parochial schools to talk on Fire Prevention. Also, during that week, a public demonstration was given in Military Park and at Federal Square. At both locations the public was invited to, and did, take part in the demonstrations. A Fire Prevention display was set up in Bamberger's Department Store where pamphlets on Fire Prevention were distributed to the public.

Academy personnel instructed groups at the New Jersey State Fire College, the New Jersey State Fire Officers College and the fire colleges of Monmouth, Morris and Sussex Counties. In addition, lectures were given to the New York and New Jersey Firemen's Association at Fairleigh Dickinson University, and to the New Jersey Boys Club at Rutgers University.

All tours of all Newark fire companies were re-trained in the use of the E & J Resuscitator, and were instructed in the application of the new mouth-to-mouth method of artificial respiration.

The Academy undertook research and made reports on radiological monitoring devices required by the Fire Department; combustible gas indicators and their proper use; the plastic called "Teflon".

Chief Schoettly of the Academy attended a course given by Rutgers University through the city's Personnel Department, in Personnel Management and Supervision. He also took part in all the accident review sessions held during the year, and served on the committee to study and make recommendations on the standardization of tools and equipment carried by ladder companies in the Department. He interviewed applicants for Educational Aid, and processed their applications.

The Academy worked on proposed legislation concerning the storage, handling and use of radioactive materials in the City of Newark, and on a course in radioactivity to be given to all personnel of the Department. The latter entailed the making of 32 drawings and then photographing them to make a set of visual aid projection slides.

The Photographic Section of the Academy covered 98 assignments and processed and enlarged 1,000 photographs.

During the year some 10 to 15 individuals and groups from in and out of town visited the Academy and were conducted through by Academy personnel who explained the tools and equipment, etc.

Appendix I is a quantitative break-down of the work carried on by the Academy in 1961.

Fire Department Training Academy (2)

Appendix I

Type of Group	No. of Groups	Total Attendance	Total Hours of Instruction	Man Hrs. of Training
Recruit Firemen	40	600	120	1,800
Recruit Policemen	2	86	4	172
Crossing guards (Police)	16	16	3/4	12
Private Fire Brigades	2	30	6	90
Fire Company Re-training	100	875	250	2,187
N.J. State Fire College	3	120	9	360
N.J. State Fire Officers' College	1	125	3	375
Monmouth County Fire College	2	150	4	300
Morris County Fire College	2	175	4	350
West Side Adult School	10	560	20	1,120
Public & Parochial Schools	107	30,000	72	22,500
Hospitals, Civic & Religious Groups	14	875	14	1,313
	299	33,612	506-3/4	30,579

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No. of Oxygen Tanks Refilled -	-	-	-	-	438
No. of Oxygen Tanks sent out for Test	-	-	-	-	26
No. of Oxygen Tank Valves Repaired	-	-	-	-	12
No. of Masks Serviced or Repaired	-	-	-	-	212
No. of Resuscitators Repaired-	-	-	-	-	4
No. of Ropes Repaired	-	-	-	-	6
No. of Motion Picture Films Repaired	-	-	-	-	10
No. of Motion Picture Films Shown	-	-	-	-	36

Fire Department

MEDICAL DIVISION

Annual Report submitted by
Dr. John N. Pannullo, Department Surgeon
for the year ending December 31, 1961.

In compliance with the Rules and Regulations of the Department and the requirements of my duties, I have rendered prompt attention to all reports of illness or injury coming under my jurisdiction, and have granted sick leaves to members when necessary.

Regular additional visits were made to sick or disabled members to keep properly informed of the progress of their cases.

Monthly reports were submitted, together with special reports when required, for the information of the Director and the Chief Engineer.

During the year, I inspected the various fire houses to see that they were maintained in sanitary condition. I attended all fires of magnitude where professional services might be required.

Six Members of the Department died during the year:

<u>Date</u>	<u>Name</u>	<u>Title</u>
Jan.20	A. Leo George	Fireman
Apr.11	Joseph G. Buhl	Fireman
Sept.8	Eugene J. Diou	Captain
Sept.23	Raymond Magnusson	Captain
Oct.20	Daniel J. Kelly	Fireman
Dec.15	Frank W. Siebenhuhner	Fireman

Monthly reports were submitted listing the names of members of the Department who were disabled, and containing other statistics, a resume of which follows:

Number of House Visits	- - - - -	895
Number of Fires Attended	- - - - -	82
Visits to Fire Houses	- - - - -	17
New Men Examined	- - - - -	29
Number of Men Injured in Line of Duty	- - - - -	292
Number of Revisits	- - - - -	819
Number of Hospital Visits	- - - - -	329
Conferences with Chief Engineer	- - - - -	52
Conferences with Director	- - - - -	7
Number of New Candidates re-examined	- - - - -	--
Number of telephone calls to members on sick leave	- - - - -	1890

Fire Department

Annual Report of the Activities of the Catholic Chaplain for 1961

During the year of 1961, I answered all alarms at which my presence was **required**. Visited hospitalized firemen when informed of their illness. Attended funeral Mass and burial of Catholic firemen who died during the year 1961.

Whenever possible, attended social functions of the Newark Fire Department.

Conducted the Annual Communion Breakfast of the Holy Name Society of the Newark Fire Department. Mass was offered in Saint Thomas Aquinas Church on Sunday, May 21. The breakfast was served in Saint Thomas Aquinas Auditorium.

A large delegation of Holy Name men attended the Holy Hour in Sacred Heart Cathedral.

Attended all monthly meetings of the Newark Fire Department Holy Name Society at Saint Thomas Aquinas Auditorium.

Acted as Chaplain of the Fire Department Anchor Club.

Rev. Philip McCabe.

Fire Department

Annual Report of the Activities of the Protestant Chaplain for 1961

In compliance with Department Rules, I herewith submit this report:

1. I made many visits to various fire houses during the year.
2. Made many sick calls on Members of the Fire Department in the various hospitals of the City.
3. Conducted several funerals of Members of the Department, both active and retired.
4. Responded to multiple alarms whenever possible, and to many single alarms.
5. Attended numerous Department gatherings and meetings.
6. Conducted the Annual Memorial Services and Dinner of the Protestant Members of the Department.

I am deeply grateful to Director James T. Owens, Chief Frank Hilliard, Members of the Department, and the Chaplains, for their many kindnesses.

Rev. Clarence Bleakney.

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Fire Department

Annual Report
of the
Jewish Chaplain
for the year 1961

This is to advise that through the year 1961, as Chaplain of the Department, I have answered fire calls whenever summoned, participated in public functions, attended the sick and dying, and in general lent myself in full capacity as clergyman over all those to whom I minister, in whatever contingency my services were called.

to all members of the Fire Department
I wish to express my deep appreciation of the many courtesies extended
The performance of my duties
me in performing the duties of my office.

Rabbi Horace L. Zemel.

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